

(C) WPI/Derwent

AN. - 1980-J2481C [38]

CPY - ERMA-I

DC - P52

FS - GMPI

IC - B21J5/00

IN - KANTER Y U L; REZNIKOV S A

PA - (ERMA-I) ERMAKOV V V

PN - SU715195 A 19800215 DW198038 000pp

PR - SU19772539248 19771025

XIC - B21J-005/00

AB - SU-715195 The method involves heating the blank and piercing with piercing tool (2) with simultaneous rotation of the blank and forging of its side face. The blank is rotated through an angle 10-30 deg. after each reduction, and the piercing tool is rotated in the reverse direction to the blank rotation at an angular velocity 3-5 times that of the blank. The method is useful in the production of large forgings from ingots, and avoids metal losses, decreases the axial force on the mandrel, and improves the strength characteristics and other properties of the final products.

IW - HOLLOW CYLINDER BLANK MANUFACTURE BLANK SIDE FACE FORGE ROTATING  
SIMULTANEOUS PIERCE DEFORM

IKW - HOLLOW CYLINDER BLANK MANUFACTURE BLANK SIDE FACE FORGE ROTATING  
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INW - KANTER Y U L; REZNIKOV S A

NC - 001

OPD - 1977-10-25

ORD - 1980-02-15

PAW - (ERMA-I) ERMAKOV V V

TI - Hollow cylindrical blank mfg. - blank side face is forged and rotated simultaneously with piercing, with 10-30 percent deformation

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